

Claims

1. Spindle device for the height adjustment and alignment of tracks on a substructure, having a transverse cantilever which is fixed to an elongate nut adjustable in height on a height adjustment spindle and which engages under the rail, characterised in that the transverse cantilever is formed as a horizontal spindle plate (7) which is mounted on the elongate nut (4) pivotably about a horizontal axis (20) and on which a slide provided with a clamping mount device for the rail foot (12) is displaceable by means of a second spindle device (14, 15, 16) transverse to the height adjustment spindle.
2. Spindle device according to claim 1, characterised in that the slide consists of a ribbed plate (8) provided with guide rails (18) encompassing the horizontal spindle plate (7) with a clamping hook (10) and a conventional rail foot screw clamp (11).
3. Spindle device according to claim 1 or 2, characterised in that a rigid horizontal spindle (14) penetrating a rest (16) on the horizontal spindle plate (7) is fixed to the slide (8, 18) and is displaceable by means of adjusting nuts (17) abutting the rest (16) on both sides along its longitudinal axis.
4. Spindle device according to claim 2 or 3, characterised in that the clamping hook (10a, 10b, 10c) is removable above the ribbed plate (8).
5. Spindle device according to claim 4, characterised in that the clamping hook is formed by a screw (10a) for a clamping plate (10b) overlapping the rail foot (12).

6. Spindle device according to claim 4 or 5, characterised in that the second spindle device (14, 28) is detachably fixed both to the slide and to the horizontal spindle plate (7).
7. Spindle device according to one of claims 1 to 6, characterised in that the horizontal pivot joint (6) of the horizontal spindle plate (7) is fixable.
8. Spindle device according to one of claims 1 to 7, characterised in that the elongate nut (4) substantially overlaps the height adjustment spindle in order to increase its rigidity.
9. Spindle device according to one of claims 1 to 8, characterised by support rails (31) for the height adjustment spindles (3), which support rails are fixed so as to rest on the track substructure.
10. Spindle device according to claim 9, characterised in that the support rails (31) are angle rails (30) oriented opposite to one another having projecting abutment flanges (32) for the height adjustment spindles (3) or are U-shaped profiles.
11. Spindle device according to one of claims 1 to 10, characterised in that the standing angle is infinitely variable.